I. GENERAL EDUCATION

An overall 2.0 GPA is required in the major/18 sh must be completed at Appalachian.

MAJOR REQUIREMENTS

MAT 1025 ____(4) or above (Gen Ed: Quantitative Lit.)
PSY 1200 ____ (3) (Gen Ed themes: H&S: Individual & Society, Mind)
CHE 1101 ____ (3) & CHE 1110 ____ (1) (Gen Ed: Sci. Inq.)
P E 1745 ____ (1) & 1754 ____ (1) (Gen Ed: Wellness Literacy)
CHE 1102 ____ (3) & CHE 1120 ____ (1) (Gen Ed: Sci. Inq.)
[or H P 1105 ____ (2) if a Health Promotion Minor is pursued]

Allied Core (20 sh)
BIO 1801 ____ (4) Biological Concepts I
BIO 3301 ____ (4) Human Systems Physiology
CHE 2101 ____ (3) Fundamentals of Organic Chemistry
E S 2000 ____ (5) Human Anatomy & Physiology
E S 2005 ____ (3) Concepts in Fitness & Performance Eval
E S 2010 ____ (3) Exercise Physiology (WID)
E S 2020 ____ (3) Measurement & Eval in Exercise Science
E S 3005 ____ (3) Physiological Assessment & Program Mgt

Exercise Science Core (28 sh min)

E S 2000 ____ (5) Human Anatomy & Physiology
E S 2005 ____ (3) Concepts in Fitness & Performance Eval
E S 2010 ____ (3) Exercise Physiology (WID)
E S 2020 ____ (3) Measurement & Eval in Exercise Science
E S 3005 ____ (3) Physiological Assessment & Program Mgt

Required Courses

567B Pre-Professional (31 sh)

PSY 2301 ____ (3) Psych of Human Growth & Dev
PSY 2401 ____ (3) Abnormal Psychology
PSY 2700 ____ (3) Behavior Change
PSY 3653 ____ (3) Health Psychology
PSY 4562 ____ (3) Psych of Adulthood & Aging
BIO 2400 ____ (3) Genetics
BIO 4563 ____ (3) Biology of Aging
BIO 4568 ____ (4) Immunology
E S 4050 ____ (3) Practicum: Pre-Professional
E S 4820 ____ (3) Medical Physics

567E Clinical Exercise Physiology (31 sh)

Required Courses: (27 sh which includes a 6 sh internship)
SOC 3100 ____ (3) Gerontology
NUT 2202 ____ (3) Nutrition & Health
H P 3700 ____ (3) Health Behavior Change
E S 4625 ____ (3) Concepts of Clinical Exercise Testing
E S 4635 ____ (3) Electrophysiologic Interpretation
E S 4645 ____ (3) Cardio Pathophysiology & Rehab

* If internship is done for 6 sh, you must choose 4 sh of electives from the following courses:
A T 1600 ____ (2) Intro to Athletic Training
H P 3200 ____ (3) Health Risk Appraisal
NUT 4552 ____ (1) Medical Terminology/Records
E S 3500 ____ (1-4) Independent Study
H P 2100 ____ (3) Health Program Planning & Eval I
PH Y 4820 ____ (3) Medical Physics
H P 2200 ____ (3) Lifestyle Disease & Risk Reduction

567D Strength & Conditioning (31 sh)

Required Courses (14 sh)

E S 4000 ____ (3) Strength and Conditioning Theory and Practice
E S 4060 ____ (3) Practicum: Strength & Conditioning
A T 1600 ____ (2) Intro to Athletic Training
E S 4600 ____ (3) Survey of Sports Performance
P E 4002 ____ (3) Psychological Aspects of Sport

And 17 sh with approval from advisor (need written verification for Dean's Office):

*Note: A Biology Minor may be completed by taking BIO 3301 in the Allied Core & three approved Biology courses.

Concentration (31 sh) Choose one concentration

567B Pre-Professional (31 sh)

Required Courses: (27 sh which includes a 6 sh internship)
SOC 3100 ____ (3) Gerontology
NUT 2202 ____ (3) Nutrition & Health
H P 3700 ____ (3) Health Behavior Change
E S 4625 ____ (3) Concepts of Clinical Exercise Testing
E S 4635 ____ (3) Electrophysiologic Interpretation
E S 4645 ____ (3) Cardio Pathophysiology & Rehab

* If internship is done for 6 sh, you must choose 4 sh of electives from the following courses:
A T 1600 ____ (2) Intro to Athletic Training
H P 3200 ____ (3) Health Risk Appraisal
NUT 4552 ____ (1) Medical Terminology/Records
E S 3500 ____ (1-4) Independent Study
H P 2100 ____ (3) Health Program Planning & Eval I
PH Y 4820 ____ (3) Medical Physics
H P 2200 ____ (3) Lifestyle Disease & Risk Reduction
BIO 4563 ____ (3) Biology of Aging

Minor NOT REQUIRED (Although a minor is not required, a minor may be obtained as noted above by the concentrations.)

FREE ELECTIVE: 2 sh of free electives outside the major discipline are required (Do not fall below 122)

Mat 1025, CHE 1101&1110, CHE 1102&1120, PSY 1200, PE 1745 and PE 1754 counted in general education

SEE REVERSE SIDE FOR PREREQUISITES
<table>
<thead>
<tr>
<th>Courses</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 3301</td>
<td>Prerequisite: one semester of organic chemistry</td>
</tr>
<tr>
<td>CHE 2101</td>
<td>Prerequisites: CHE 1102, CHE 1120; Pre- or Corequisite: CHE 2203</td>
</tr>
<tr>
<td>CHE 2203</td>
<td>Prerequisites: CHE 1102, CHE 1120; Pre- or Corequisite: CHE 2101 or CHE 2201</td>
</tr>
<tr>
<td>PHY 1103</td>
<td>Corequisite: MAT 1020 or MAT 1025, or Equivalent</td>
</tr>
<tr>
<td>PHY 1104</td>
<td>Prerequisite: PHY 1103</td>
</tr>
<tr>
<td>ES 2000</td>
<td>Six semester hours of biology, chemistry or physics</td>
</tr>
<tr>
<td>ES 2010</td>
<td>ES 2000 or equivalent</td>
</tr>
<tr>
<td>ES 2020</td>
<td>MAT 1025 or higher</td>
</tr>
<tr>
<td>ES 3005</td>
<td>ES 2005, ES 2010 or equivalent</td>
</tr>
<tr>
<td>ES 3450</td>
<td>BIO 1101 or BIO 1801, CHE 1101 and CHE 1110, ES 2010 or equivalent</td>
</tr>
<tr>
<td>ES 3550</td>
<td>ES 2000 or equivalent, MAT 1025 or higher</td>
</tr>
<tr>
<td>ES/FCS 4555</td>
<td>ES 2000 or equivalent, ES 2010, ES 3450; Pre- or Corequisite: CHE 2101 (or CHE 2201) &amp; CHE 2203</td>
</tr>
<tr>
<td>ES 4650</td>
<td>Senior standing</td>
</tr>
<tr>
<td>PSY 2301</td>
<td>PSY 1200</td>
</tr>
<tr>
<td>PSY 2401</td>
<td>PSY 1200</td>
</tr>
<tr>
<td>PSY 2700</td>
<td>PSY 1200</td>
</tr>
<tr>
<td>PSY 3653</td>
<td>PSY 1200</td>
</tr>
<tr>
<td>PSY 4562</td>
<td>PSY 1200, PSY 3100 or Permission of Instructor</td>
</tr>
<tr>
<td>BIO 2400</td>
<td>BIO 1801, CHE 1102, MAT 1025</td>
</tr>
<tr>
<td>BIO 4568</td>
<td>Prerequisite or Corequisite: BIO 2400</td>
</tr>
<tr>
<td>ES 4050</td>
<td>ES 2010, ES 3450 or equivalent</td>
</tr>
<tr>
<td>PHY 4820</td>
<td>PHY 1104 or PHY 1151</td>
</tr>
<tr>
<td>ES 4625</td>
<td>ES 2010 &amp; ES 3450 or similar coursework, and senior standing</td>
</tr>
<tr>
<td>ES 4635</td>
<td>ES 3450 or equivalent, and senior standing</td>
</tr>
<tr>
<td>ES 4645</td>
<td>ES 2005 &amp; ES 3450 or equivalent, and senior standing</td>
</tr>
<tr>
<td>ES 4660</td>
<td>ES 2010 &amp; ES 3450 or equivalent, and senior standing</td>
</tr>
<tr>
<td>ES 3900</td>
<td>Senior standing</td>
</tr>
<tr>
<td>ES 4000</td>
<td>ES 2010, Pre- or Corequisite: ES 3450</td>
</tr>
<tr>
<td>ES 4060</td>
<td>ES 2010, ES 3450, ES 3350 or equivalent</td>
</tr>
<tr>
<td>ES 4600</td>
<td>ES 2010, Pre- or Corequisite: ES 3450</td>
</tr>
<tr>
<td>PE 4002</td>
<td>Permission of Instructor</td>
</tr>
</tbody>
</table>